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PATENTS, TRADEMARKS, COPYRIGHTS & UNFAIR COMPETITION

January 9, 2007

Commissioner For Patents
Office of Initial Patent Examination
Customer Service Center
P.O. Box 1450
Alexandria, VA 22313-1450

Re:

Our File: VEECO 3.3-082

Appln. No. 10/568,794

Filing Date: November 8, 2006

Group Art Unit: 1763

Dear Sir:

We are enclosing herewith copies of the filing receipt and executed Declaration for the above-identified patent application.

Please note that the "Applicant(s)" section contains duplicative information (i.e., Michael Murphy and Richard Hoffman are listed twice each). The "Applicant(s)" section should read as follows:

--Michael Murphy, Somerset, NJ; Richard Hoffman, Clinton, NJ; Jonathan Cruel, Plano, TX; Lev Kadinski, Burghausen, GERMANY; Jeffrey C. Ramer, Sunnyvale, CA; Eric A. Armour, Pennington, NJ--

Kindly issue a corrected filing receipt for the above-identified application as soon as possible.

Sincerely yours,

LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP

ARNOLD H. KRUMHOLZ Reg. No. 25,428

AHK/ls Enclosures



ED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Viginia 22313-1450

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/568,794	11/08/2006	1763	1430	VEECO 3.3-082	5	26	5

CONFIRMATION NO. 6426

FILING RECEIPT

OC000000021648855

530 LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK 600 SOUTH AVENUE WEST

WESTFIELD, NJ 07090

Date Mailed: 12/19/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Michael Murphy, Somerset, NJ; Richard Hoffman, Clinton, NJ; Michael Murphy, Somerset, NJ; Richard Hoffman, Clinton, NJ; Jonathan Cruel, Plano, TX; Lev Kadinski, Burghausen, GERMANY; Jeffrey C. Ramer, Sunnyvale, CA; Eric A. Armour, Pennington, NJ;

Assignment For Published Patent Application

Veeco Instruments Inc., Woodbury, NY

Power of Attorney: The patent practitioners associated with Customer Number <u>00530</u>.

Domestic Priority data as claimed by applicant

LDLK &M

This application is a 371 of PCT/US03/26112 08/20/2003

DEC 22 2006

Foreign Applications

RECEIVED

If Required, Foreign Filing License Granted: 12/16/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is US10/568,794

Projected Publication Date: 03/29/2007

Non-Publication Request: No

Early Publication Request: No

Title

Alkyl push flow for vertical flow rotating disk reactors

Preliminary Class

118

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process simplifies the filing of patent applications on the same invention in member countries, but does not result in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

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For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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DECLARATIO	N FOR UTILITY OR	Attorney Docket Nun	nber VEEC	VEECO 3.3-082					
	ESIGN	First Named Inventor	Micha	Michael Murphy					
	APPLICATION	C	OMPLETE IF	KNOWN					
(37 (CFR 1.63)	Application Number	UNKNOWN	,					
Declaration Submitted	X Declaration	Filing Date	February 17, 2006						
with Initial OR	Submitted after Initial Filing (surcharge	Group Art Unit	t N/A						
Filing	(37 CFR 1.16 (e)) required)	Examiner Name	Not Yet Ass	igned					
I believe I am an origina invention entitled:	As a below named inventor, I hereby declare that: My residence, mailing address, and citizenship are as stated below next to my name. I believe I am an original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: ALKYL PUSH FLOW FOR VERTICAL FLOW ROTATING DISK REACTORS								
is attached here OR X was filed on (M Application No. P I hereby state that I have amended by any amend	x was filed on (MM/DD/YYYY) 08/20/2003 as United States Application Number or PCT International								
continuation-in-part appl	ications, material information wh mational filing date of the continu	ich became available betv	veen the filing d	ate of the prior	r application and				
I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365 (a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or of any PCT international application having a filing date before that of the application on which priority is claimed.									
Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified C	Copy Attached?				
Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:									

PTO/SB/01 (03-01) Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Please type a plus sign (+) inside this box -Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. **DECLARATION** — Utility or Design Patent Application POWER OF ATTORNEY: As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Customer Number 000530 000530 Customer Number OR Correspondence address below Direct all correspondence to: or Bar Code Label Name Address State ZIP City I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. NAME OF SOLE OR FIRST INVENTOR: A petition has been filed for this unsigned inventor Michael Family Name Murphy Given Name (first and middle [if any]) or Surname Signature United States of Somerset US Residence: City **America** Citizenship Mailing 9J One JFK Boulevard Address: NJ 08873 United States of America Somerset City State ZIP NAME OF SECOND INVENTOR: A petition has been filed for this unsigned inventor Given Name Family Name Richard Hoffman (first and middle [# any]) or Surname Inventor's Signature Date Clinton United States of NJ US Residence: City State <u>America</u> Citizenship

LD-537\

City

Mailing

Address

X

2 Mitchell Lane

Additional inventors are being named on the

NJ

Clinton

08809

United States of America

Country

supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

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DECLARATION — Utility or Design Patent Application											
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NAME OF	SOLE OR FIRST INVENTOR	ł:			A petition i	has bee	en filed for this unsigned inventor				
Given Name (first and mid	ddle [if any])	Michael			Family Name or Surname	r	Murphy				
Inventor's Signature			•			Date					
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Mailing Address:	9J One JFK Boulevar	r d					·				
City	Somerset	NJ State	ZIP	08	873	Cour	United States of Amer	ica .			
NAME OF S	SECOND INVENTOR:				A petition I	has bee	en filed for this unsigned inventor				
Given Name Richard					Family Name or Surname		Hoffman				
Inventor's Signature	Jun H	:h-				Date	25 octor	2006			
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Mailing Address:	2 Mitchell Lane					•					
City	Clinton	NJ State	ZIP	08	809	Cour	United States of Amer	ica			
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Pennington

City

NJ

State

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ADDITIONAL INVENTOR(S) DECLARATION Supplemental.Sheet Page 1 01 1 Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Family Name or Surname Given Name (first and middle (if any)) Jonathan Cruel inventor's Signature Date Plano TX United States of US Residence: City America Citizenship 1901 W. Spring Creek Parkway, #301 Address: Plano ŤΧ United States of America Zip Country City State Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Given Name (first and middle (if any)) Family Name or Surname Kadinski Lev inventor's Signature Date Burghausen Germany Germany State Residence: City Country Caizenship Mailing Lilienweg 5 Address: 84489 Burghausen Germany Country State Zip Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Family Name or Surname Given Name (first and middle (if any)) Ramer Jeffrey C inventor's Signature Date US CA United States of Sunnyvale Caizenship Residence: City .America Mailing 825 E. Evelyn Avenue #324 Address: CA United States of America Sunnyvale 94086 Country City Zip Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Given Name (first and middle (if any)) Family Name or Surname Eric A. Armour inventor's Signature Date US Pennington NJ United States of State Residence: City Citizenship **America** Mailing 14 Laning Avenue Address:

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08534

Zip

United States of America



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	DECLARA	NOITA		Supplemental Sheet Page 1 of 1				
Name of Ad	ditional Joint Invent	or, if any:		A petition has been filed for this unsigned inventor				
	Given Name (first and	middle (if any))		1		Family Name or Surname		
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Inventor's Signature						Date		
Residence: Cit	Plano	TX State	1	Jnited State		US Citizenship		
Mailing Address: 1901 W. Spring Creek Parkway, #301								
City	Plano	TX State	Zip			United States of America Country		
Name of Add	ditional Joint Invent	or, if any:			A petition	has been filed for this unsigned inventor		
	Given Name (first and	i middle (if any))				Family Name or Sumame		
	Lev					Kadinski		
Inventor's Signature	Lev Ko	dinsk	<u> </u>	· · · · · · · · · · · · · · · · · · ·		Date 26.10.2006 Germany		
Bur Residence: Cit	rghausen y	State	Coun	Germany	y	Germany Citizenship		
Mailing Address: Lilienweg 5								
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Name of Add	ditional Joint Invent	or, if any:			A petition	has been filed for this unsigned inventor		
	Given Name (first and					Family Name or Sumame		
	Jeffrey	C.				Ramer		
Inventor's Signature					Date			
Su Residence: Cit	innyvale	CA Ur		Inited State America	es of	US		
Mailing Address:	825 E. Evelyn A	venue #324						
Sunnyvale		CA State	Zip	94086		United States of America Country		
Name of Add	ditional Joint Invento	or, if any:	· '		A petition	has been filed for this unsigned inventor		
	Given Name (first and			Family Name or Sumame				
	Eric A	<u>. </u>			Armour			
Inventor's Signature						Date		
Pennington Residence: City		NJ State	L	Inited State America	es of	US Citizenship		
Mailing Address: 14 Laning Avenue								
Per	nnington	gton NJ		08534		United States of America		



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	DECLAR	ATION	ADDITIONAL INVE	NTOR(S) et					
Name of Ac	Iditional Joint Invent	tor, if any:		A petition	on has been filed for this unsigned inventor				
	Given Name (first an	d middle (if any))	Family Name or Surname						
	Jonati	nan	Cruel						
Inventor's Signature					Date				
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Mailing Address:	1901 W. Spring	Creek Parkway,	#301						
City	Plano TX Zi _i				United States of America Country				
Name of Ad	ditional Joint Invent	or, if any:		A petition	on has been filed for this unsigned inventor				
	Given Name (first an	d middle (if any))			Family Name or Surname				
	Lev	<u> </u>			Kadinski				
Inventor's Signature					Date				
Bu Residence: Ci	rghausen _{Iv}	State	Coun	Germany	Germany				
Mailing Address:									
Burghausen City State			Zip	84489	Germany				
Name of Ad	ditional Joint Invent	or, if any:		A petitio	n has been filed for this unsigned inventor				
	Given Name (first and	1 middle (if any))			Family Name or Surname				
	Jeffrey	C			Ramer				
Inventor's Signature	Jeffrey!	(I Larner	····	· · · · · · · · · · · · · · · · · · ·	Date 10/24/66				
St. Residence: Cit	ınnyvale' \	CA State		Inited States of America	US Citizenship				
Mailing Address:	Mailing 825 E Evelyn Avenue #324								
Su	innyvale	CA State Zip		94086	United States of America				
Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor									
Given Name (first and middle (if any)) Family Name or Surname									
	Eric A	<u>. </u>		<u> </u>	Armour				
Inventor's Signature Date									
Per Residence: Cit	nnington	NJ Ur State		Inited States of America	US Citizenship				
Mailing Address:	14 Laning Avenu	1e							
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DECLARATION

ADDITIONAL INVENTOR(S) Supplemental Sheet

Page 1 of 1

Name of Additional Joint Inventor, if any:						A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any))						Family Name or Surname			
Jonathan					ì		Cruel		
Inventor's Signature							Date		
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Plano TX City State			Zip	Zip		United States of America Country			
Name of Ad	iditional Joint Invent	or, if any:		,		A petition	has been filed for this unsigned inventor		
	Given Name (first and	middle (if an	())				Family Name or Surname		
	Lev]		Kadinski		
Inventor's Signature							Date		
	irghausen				Germa	any	Germany		
Residence: C		State		Countr		·····	Citizenship		
Mailing Address: Lilienweg 5			•						
D.	ırghausen				8448	Ω.	Company		
City	iigiiauseii	State	*	Zip	0440		Germany Country		
Name of Ad	klitional Joint Invent	or, If any:				A petition	has been filed for this unsigned inventor		
Given Name (first and middle (if any))							Family Name or Surname		
	Jeffrey	<u>C.</u>					Ramer		
Inventor's Signature							Date		
S	unnyvale	C	A	Ur	United States of US				
Residence: Ci	ity	State		America		na	Citizenship		
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St City	unnyvale	State	1	94086 Zip		6	United States of America Country		
Name of Ad	ditional Joint Invento	r, if any:				. A petition I	nas been filed for this unsigned inventor		
Given Name (first and middle (if any))							Family Name or Surname		
Eric A.					Armour				
Inventor's Signature							Date 10/25/06		
Pennington NJ				United States of			'US		
Mailing Address: 14 Laning Avenue					Ameri	<u>ca</u>	Cilizenship		
Pe	nnington	NJ State Zip		Zip	08534 _{Zip}		United States of America Country		